Zip2R: EE2Xzip.IL2Rb.2A.RR2Xzip.IL2Rg.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL2R beta (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL2R gamma (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*PLAFRTKPAALGKDT*IPWLGHLLVGLSGAFGFIILVYLLINCRNTGPWLKKVLKCNTPDPSKFF
SQLSSEHGGDVQKWLSSPFPSSSFSPGGLAPEISPLEVLERDKVTQLLLQQDKVPEPASLSSNH
SLTSCFTNQGYFFFHLPDALEIEACQVYFTYDPYSEEDPDEGVAGAPTGSSPQPLQPLSGEDDA
YCTFPSRDDLLLFSPSLLGGPSPPSTAPGGSGAGEERMPPSLQERVPRDWDPQPLGPPTPGVPD
LVDFQPPPELVLREAGEEVPDAGPREGVSFPWSRPPGQGEFRALNARLPLNTDAYLSLQELQGQ
DPTHLV
GSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*SNTSKENPFLFALEA*VVISVGSMGLIISLLCVYFWLERTMPRIPTLKNLEDLVTEYHGNFSAWS
GVSKGLAESLQPDYSERLCLVSEIPPKGGALGEGPGASPCNQHSPYWAPPCYTLKPET
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK

Zip7R: EE2Xzip.IL7Ra.2A.RR2Xzip.IL2Rg.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL7R alpha (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL2R gamma (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*YFRTPEINNSSGEMD*PILLTISILSFFSVALLVILACVLWKKRIKPIVWPSLPDHKKTLEHLCK
KPRKNLNVSFNPESFLDCQIHRVDDIQARDEVEGFLQDTFPQQLEESEKQRLGGDVQSPNCPSE
DVVITPESFGRDSSLTCLAGNVSACDAPILSSSRSLDCRESGKNGPHVYQDLLLSLGTTNSTLP
PPFSLQSGILTLNPVAQGQPILTSLGSNQEEAYVTMSSFYQNQ
GSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*SNTSKENPFLFALEA*VVISVGSMGLIISLLCVYFWLERTMPRIPTLKNLEDLVTEYHGNFSAWS
GVSKGLAESLQPDYSERLCLVSEIPPKGGALGEGPGASPCNQHSPYWAPPCYTLKPET
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK

Zip21R: EE2Xzip.IL21R.2A.RR2Xzip.IL2Rg.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL21R (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL2R gamma (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*SDPVIFQTQSEELKE*GWNPHLLLLLLLVIVFIPAFWSLKTHPLWRLWKKIWAVPSPERFFMPLY
KGCSGDFKKWVGAPFTGSSLELGPWSPEVPSTLEVYSCHPPRSPAKRLQLTELQEPAELVESDG
VPKPSFWPTAQNSGGSAYSEERDRPYGLVSIDTVTVLDAEGPCTWPCSCEDDGYPALDLDAGLE
PSPGLEDPLLDAGTTVLSCGCVSAGSPGLGGPLGSLLDRLKPPLADGEDWAGGLPWGGRSPGGV
SESEAGSPLAGLDMDTFDSGFVGSDCSSPVECDFTSPGDEGPPRSYLRQWVVIPPPLSSPGPQA
S
GSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*SNTSKENPFLFALEA*VVISVGSMGLIISLLCVYFWLERTMPRIPTLKNLEDLVTEYHGNFSAWS
GVSKGLAESLQPDYSERLCLVSEIPPKGGALGEGPGASPCNQHSPYWAPPCYTLKPET
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK

Zip12R: EE2Xzip.IL12Rb1.2A.RR2Xzip.IL12Rb2.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL12R beta 1 (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL12R beta 2 (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*WSQPQRFSIEVQVSD*WLIFFASLGSFLSILLVGVLGYLGLNRAARHLCPPLPTPCASSAIEFPG
GKETWQWINPVDFQEEASLQEALVVEMSWDKGERTEPLEKTELPEGAPELALDTELSLEDGDRC
KAKM
GSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*SHGNEREFCLQGKAN*WMAFVAPSICIAIIMVGIFSTHYFQQKVFVLLAALRPQWCSREIPDPAN
STCAKKYPIAEEKTQLPLDRLLIDWPTPEDPEPLVISEVLHQVTPVFRHPPCSNWPQREKGIQG
HQASEKDMMHSASSPPPPRALQAESRQLVDLYKVLESRGSDPKPENPACPWTVLPAGDLPTHDG
YLPSNIDDLPSHEAPLADSLEELEPQHISLSVFPSSSLHPLTFSCGDKLTLDQLKMRCDSLML
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK

Zip10R: EE2Xzip.IL10Ra.2A.RR2Xzip.IL10Rb.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL10R alpha (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL10R beta (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*EECISLTRQYFTVTN*VIIFFAFVLLLSGALAYCLALQLYVRRRKKLPSVLLFKKPSPFIFISQR
PSPETQDTIHPLDEEAFLKVSPELKNLDLHGSTDSGFGSTKPSLQTEEPQFLLPDPHPQADRTL
GNREPPVLGDSCSSGSSNSTDSGICLQEPSLSPSTGPTWEQQVGSNSRGQDDSGIDLVQNSEGR
AGDTQGGSALGHHSPPEPEVPGEEDPAAVAFQGYLRQTRCAEEKATKTGCLEEESPLTDGLGPK
FGRCLVDEAGLHPPALAKGYLKQDPLEMTLASSGAPTGQWNQPTEEWSLLALSSCSDLGISDWS
FAHDLAPLGCVAAPGGLLGSFNSDLVTLPLISSLQSSE
GSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*EPVCEQTTHDETVPS*WMVAVILMASVFMVCLALLGCFALLWCVYKKTKYAFSPRNSLPQHLKEF
LGHPHHNTLLFFSFPLSDENDVFDKLSVIAEDS
ESGKQNPGDSCSLGTPPGQGPQS
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK

Zip22R: EE2Xzip.IL22Ra.2A.RR2Xzip.IL10Rb.2A.mClover

Amino acid Sequence:
RED: Leader Sequence
Blue: FLAG tag
ORANGE: EE leucine zipper
Purple: linker
BROWN: IL22R alpha (*extracellular*, transmembrane, intracellular)
GREY: 2A
GREEN: MYC tag
PINK: RR leucine zipper
BLACK: IL10R beta (*extracellular*, transmembrane, intracellular)
DARK RED: mClover3

MDWIWRILFLVGAATGAHS
DYKDDDDK
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIEAAFLERENTALETRVAELRQRVQRLRNRVSQYRTRYGPLGGGK
*PYMCRVKTLPDRTWT*YSFSGAFLFSMGFLVAVLCYLSYRYVTKPPAPPNSLNVQRVLTFQPLRF
IQEHVLIPVFDLSGPSSLAQPVQYSQIRVSGPREPAGAPQRHSLSEITYLGQPDISILQPSNVP
PPQILSPLSYAPNAAPEVGPPSYAPQVTPEAQFPFYAPQAISKVQPSSYAPQATPDSWPPSYGV
CMEGSGKDSPTGTLSSPKHLRPKGQLQKEPPAGSCMLGGLSLQEVTSLAMEESQEAKSLHQPLG
ICTDRTSDPNVLHSGEEGTPQYLKGQLPLLSSVQIEGHPMSLPLQPPSRPCSPSDQGPSPWGLL
ESLVCPKDEAKSPAPETSDLEQPTELDSLFRGLALTVQWESGSGATNFSLLKQAGDVEENPGP
MDWIWRILFLVGAATGAHS
EQKLISEEDL
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
GGGGSGGGGSGGGGS
MDPDLEIRAAFLRQRNTALRTEVAELEQEVQRLENEVSQYETRYGPLGGGK
*EPVCEQTTHDETVPS*WMVAVILMASVFMVCLALLGCFALLWCVYKKTKYAFSPRNSLPQHLKEF
LGHPHHNTLLFFSFPLSDENDVFDKLSVIAEDS
ESGKQNPGDSCSLGTPPGQGPQS
GSGATNFSLLKQAGDVEENPGP
MVSKGEELFTGVVPILVELDGDVNGHKFSVRGEGEGDATNGKLTLKFICTTGKLPVPWPTLVTT
FGYGVACFSRYPDHMKQHDFFKSAMPEGYVQERTISFKDDGTYKTRAEVKFEGDTLVNRIELKG
IDFKEDGNILGHKLEYNFNSHYVYITADKQKNCIKANFKIRHNVEDGSVQLADHYQQNTPIGDG
PVLLPDNHYLSHQSKLSKDPNEKRDHMVLLEFVTAAGITHGMDELYK